

Appl. No. 10/716,392
Submission Dated June 2, 2005

42. (new) A composite-coated structural wood construction product comprising:

a lumber substrate;
an intermediate layer coating a surface of the substrate; and
an outer composite layer coating the intermediate layer,
wherein the outer composite layer includes a polymer and an organic filler,
wherein the organic filler is at least one of saw dust, wood flour, wood
fibers, by-products of paper manufacturing, and recycled cellulose, and
wherein at least one of the intermediate and outer layers is foamed.

43. (new) A composite-coated structural wood construction product according to claim 42, wherein the outer composite layer has an exterior surface substantially the same as an exterior surface of a non-structural plastic composite.

44. (new) A composite-coated structural wood construction product according to claim 42, wherein a combination of all organic fillers is substantially between 20% and 80% by weight of the outer composite layer.

45. (new) A composite-coated structural wood construction product according to claim 42, wherein the combination of all organic fillers is substantially between 30% and 60% by weight of the outer composite layer.

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46. (new) A composite-coated structural wood construction product according to claim 42, wherein the foamed composite layer has substantially between 5% and 80% less weight than an unfoamed composite layer with substantially the same volume as the foamed composite layer.

47. (new) A composite-coated structural wood construction product according to claim 42, wherein the foamed composite layer has substantially between 10% and 50% less weight than an unfoamed composite layer with substantially the same volume as the foamed composite layer.

48. (new) A composite-coated structural wood construction product according to claim 42, wherein the outer composite layer further includes a biocide.

49. (new) A composite-coated structural wood construction product according to claim 42, wherein the substrate includes one of solid wood, compressed wood, and particle board.

50. (new) A composite-coated structural wood construction product according to claim 42, wherein the substrate is treated with a protecting agent.

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51. (new) A composite-coated structural wood construction product according to claim 42, wherein the intermediate layer includes an adhesive.

52. (new) A composite-coated structural wood construction product according to claim 42, wherein at least one of the intermediate and outer composite layers is a coextruded layer.